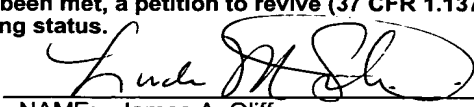


FORM PTO-1390 (REV. 01-2003)		US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 126501	
INTERNATIONAL APPLICATION NO. PCT/DE2004/001491		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/563,372	
INTERNATIONAL FILING DATE July 8, 2004		PRIORITY DATE CLAIMED July 8, 2003	
TITLE OF INVENTION BIOREACTOR			
APPLICANT FOR DO/EO/US Christian UPHOFF			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.			
2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.			
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.			
4. <input type="checkbox"/> The US has been elected (Article 31).			
5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))			
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).			
b. <input type="checkbox"/> has been communicated by the International Bureau.			
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).			
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))			
a. <input type="checkbox"/> is attached hereto.			
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).			
c. <input type="checkbox"/> The International Application was filed in English.			
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))			
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).			
b. <input type="checkbox"/> have been communicated by the International Bureau.			
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.			
d. <input type="checkbox"/> have not been made and will not be made.			
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).			
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).			
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
Items 11 to 20 below concern document(s) or information included:			
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.			
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13. <input type="checkbox"/> A preliminary amendment.			
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.			
15. <input type="checkbox"/> A substitute specification.			
16. <input type="checkbox"/> A power of attorney and/or change of address letter.			
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.			
18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).			
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).			
20. <input checked="" type="checkbox"/> Other items or information: Response to Notification of Missing Requirements			

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 10/563,372		INTERNATIONAL APPLICATION NO. PCT/DE2004/001491		ATTORNEY'S DOCKET NUMBER 126501	
21. <input checked="" type="checkbox"/> The following fees are submitted:				CALCULATIONS PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492(a)): \$ 300.00				\$	
SEARCH FEE (37 CFR 1.492(b)(1)-(3)):				\$	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage \$ 0.00					
International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA..... \$ 100.00					
International search report provided to USPTO no later than the time at which the search fee is paid \$ 400.00					
All situations not provided for above \$ 500.00					
EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):				\$	
International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage \$ 0.00					
All situations not provided for above \$ 200.00					
Surcharge of \$130.00 for furnishing the search fee, the examination fee or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
TOTAL PAGES OF APPLICATION OVER 100 (- 100)	÷ 50	= †	x 250 =	\$	
†round up to next integer					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
TOTAL CLAIMS	- 20	=	x 50.00 =	\$	
INDEPENDENT CLAIMS	- 3	=	x 200.00 =	\$	
MULTIPLE DEPENDENT CLAIM(S)(if applicable)			+ 360.00 =	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½ .				\$	
SUBTOTAL =				\$	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$130.00	
TOTAL NATIONAL FEE =				\$130.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
TOTAL FEES ENCLOSED =				\$130.00	
05/16/2006 ATRAN1 00000131 10563372 01 PG-1617 130.00 DP				Amount to be refunded:	\$
				charged:	\$
a. <input checked="" type="checkbox"/> Check No. 179553 in the amount of \$130.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO: OLIFF & BERRIDGE, PLC Customer Number: 25944					
Date <u>May 9, 2006</u>				 NAME: James A. Oliff REGISTRATION NUMBER: 27,075	
				NAME: Linda M. Saltiel REGISTRATION NUMBER: 51,122	

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Christian UPHOFF

Attn: Mail Stop PCT

Application No.: 10/563,372

Docket No.: 126501

Filed: May 9, 2006

For: BIOREACTOR

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS
UNDER 35 U.S.C 371 IN THE UNITED STATES DESIGNATED/
ELECTED OFFICE (DO/EO/US) WITH TRANSLATION OF DRAWINGS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on April 7, 2006, submitted herewith is the English-language translation of the drawings and text.

Attached is our Check No. 179553 for ☒\$130.00 for the fee under 37 C.F.R. §1.492(h).

Entry of these documents should complete all of the filing formalities and fully satisfy all requirements of the Notification of Missing Requirements. Accordingly, prompt issuance of a Notification of Acceptance and Official Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Commissioner is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of this paper are attached.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Linda M. Saltiel
Registration No. 51,122

JAO:LMS/nxy

Date: May 9, 2006

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>

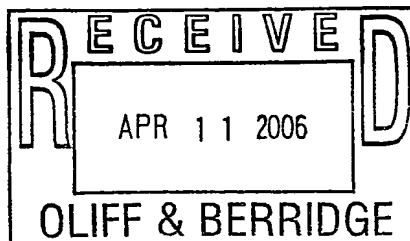


UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/563,372	Christian Uphoff	126501

25944
OLIFF & BERRIDGE, PLC
P.O. BOX 19928
ALEXANDRIA, VA 22320



INTERNATIONAL APPLICATION NO.	
PCT/DE04/01491	
I.A. FILING DATE	PRIORITY DATE
07/08/2004	07/08/2003

CONFIRMATION NO. 8831
371 FORMALITIES LETTER



OC000000018484864

DUE DATE

Date Mailed: 04/07/2006

JUN 07 2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 01/04/2006
- English Translation of the IA filed on 01/04/2006
- Copy of the International Search Report filed on 01/04/2006
- Preliminary Amendments filed on 01/04/2006
- Oath or Declaration filed on 03/01/2006
- U.S. Basic National Fees filed on 01/04/2006
- Priority Documents filed on 01/04/2006
- Power of Attorney filed on 03/01/2006

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. The current translation of the application into English is defective as described below. Note a processing fee will be required if submitted later than 30 months from the priority date.
 - The text in the drawings has not been properly translated.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 for English translation surcharge required.

DOCKETED
By Jmy on 4/11 2006
and
By Fmy on 4/11 2006
Oliff & Berridge

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

KAREN M WILLIAMS

Telephone: (703) 308-9140 EXT 213

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/563,372	PCT/DE04/01491	126501

FORM PCT/DO/EO/905 (371 Formalities Notice)